

**목O대학01D Current research trend of science education and its relationship with postgraduate education program at universities**10:30~10:50 박영신 윤석진

조선대

This study is exploring the current research trends of science education highlighting the strengths and challenges that we are facing in Korea and providing suggestions on how their strengths can be contributed to postgraduate education program at universities in the aim of meeting their needs. To identify the current research trends, researchers collected five different secondary science education related journals published from 2003 to 2008 and coded them by classifying titles and reading their abstracts. To describe postgraduate science education program at universities, researchers collected program lists from department of science education at five different universities, releasing common and specific lists of programs among universities. Two inter-raters in science education constructed the internal validity and reliability in collecting and analyzing data. The results of this study included: (1) the most preferred research trends reflect Science Learning, Understanding, and Conceptual Change; Science Learning related with Contexts, Characteristics and Interactions; Science Teaching Characteristics & Strategies, and Curriculum, Evaluation and Assessment. (2) the postgraduate programs at universities consist of common programs such as Teaching and Learning theories, Quantitative and Qualitative research methodology, Assessment & Evaluation, and Development of Curriculum with other specific programs offered by different experts majored in specific topics of science or science education. The relationship between current research trends and postgraduate education program is critical in that curriculum in postgraduate program needs developing by reflecting the trends of current research fields with the change of research subjects and research methodology at different period.